PCT/09

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 5/31/2002

Serial Number: 09/980,364 ENTERED

Edited by: _____

Verified by: _____ (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☑ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other:

  _____

  _____

  _____

  _____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

PCT09

RAW SEQUENCE LISTING DATE: 06/02/2002
PATENT APPLICATION: US/09/980,364 TIME: 17:15:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05312002\I980364.raw

<110> APPLICANT: Boutiler, Kim
Ouellet, Therese
Custers, Jan
Hattori, Jiro
Miki, Brian
Van Lookeren Campagne, Michiel
<120> TITLE OF INVENTION: Use of the BNM3 Transcriptional Activator to Control Plant Embryogenesis and Regenerqation Processes
<130> FILE REFERENCE: 270.62USWO
<140> CURRENT APPLICATION NUMBER: 09/980,364
C--> <141> CURRENT FILING DATE: 2002-04-08
<150> PRIOR APPLICATION NUMBER: EP 99201745.9-2106
<151> PRIOR FILING DATE: 1999-06-02
<160> NUMBER OF SEQ ID NOS: 14
<170> SOFTWARE: PatentIn Ver. 2.1
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<212> TYPE: DNA
<213> ORGANISM: Brassica napus
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tgaataataa ctggttaggc ttttctctct ctccttatga acaaaatcac catcgtaagg 180
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cgaccgctgc ctccgatgag tcttcagcca tccaaacatc gtttccttct ccctttggtg 300
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gttgtgcatg caataacatc cacaacgatg agcaagatgg accaaagctt gagaatttcc 420
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gcctgtccct ctcaatgaac tcatctactt cttgtgataa caacaacgac agcaataaca 660
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ttgagagttt tggacagagg acgtctatat accgcggtgt tacaaggcat cggtggacag 780
gaagatatga ggcacattta tgggataata gttgtaaaag agaaggccaa acgcgcaaag 840
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RAW SEQUENCE LISTING DATE: 06/02/2002
PATENT APPLICATION: US/09/980,364 TIME: 17:15:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05312002\I980364.raw

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58 ttggttatgg tggttatcaa ggatttgcag ccccggttaa ctgcgatgcc tacgctgcta 1680
59 gtgagtttga ttataacgca agaaaccatt attactttgc tcagcagcag cagacccagc 1740
60 agtcgccagg tggagatttt cccgcggcaa tgacgaataa tgttggctct aatatgtatt 1800
61 accatgggga aggtggtgga gaagttgctc caacatttac agtttggaac gacaattaga 1860
62 aaaaatagtt aaagatcttt agttatatgc gttgttgtgt gctggtgaac agtgtgatac 1920
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69 <212> TYPE: PRT
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77              20                  25                  30
79 Val Ala Gly Glu Tyr Cys Tyr Asp Pro Thr Ala Ala Ser Asp Glu Ser
80          35                  40                  45
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83      50                  55                  60
85 Ala Phe Thr Arg Asp Asn Asn Ser His Ser Arg Asp Trp Asp Ile Asn
86  65                  70                  75                  80
88 Gly Cys Ala Cys Asn Asn Ile His Asn Asp Glu Gln Asp Gly Pro Lys
89                  85                  90                  95
91 Leu Glu Asn Phe Leu Gly Arg Thr Thr Thr Ile Tyr Asn Thr Asn Glu
92              100                 105                 110
94 Asn Val Gly Asp Gly Ser Gly Ser Gly Cys Tyr Gly Gly Gly Asp Gly
95          115                 120                 125
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98      130                 135                 140
100 Gln Pro Val Asp Asn Val Asp Asn Gln Glu Asn Gly Asn Ala Ala Lys
101 145                 150                 155                 160
103 Gly Leu Ser Leu Ser Met Asn Ser Ser Thr Ser Cys Asp Asn Asn Asn
104                 165                 170                 175
106 Asp Ser Asn Asn Asn Val Val Ala Gln Gly Lys Thr Ile Asp Asp Ser
107             180                 185                 190
109 Val Glu Ala Thr Pro Lys Lys Thr Ile Glu Ser Phe Gly Gln Arg Thr
110         195                 200                 205
112 Ser Ile Tyr Arg Gly Val Thr Arg His Arg Trp Thr Gly Arg Tyr Glu
113     210                 215                 220
115 Ala His Leu Trp Asp Asn Ser Cys Lys Arg Glu Gly Gln Thr Arg Lys
116 225                 230                 235                 240
118 Gly Arg Gln Val Tyr Leu Gly Gly Tyr Asp Lys Glu Glu Lys Ala Ala
119                 245                 250                 255
121 Arg Ala Tyr Asp Leu Ala Ala Leu Lys Tyr Trp Gly Thr Thr Thr Thr
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RAW SEQUENCE LISTING DATE: 06/02/2002
PATENT APPLICATION: US/09/980,364 TIME: 17:15:44

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Output Set: N:\CRF3\05312002\I980364.raw

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131 305                 310                 315                 320
133 Gln His Gly Arg Trp Gln Ala Arg Ile Gly Arg Val Ala Gly Asn Lys
134                 325                 330                 335
136 Asp Leu Tyr Leu Gly Thr Phe Gly Thr Gln Glu Glu Ala Ala Glu Ala
137             340                 345                 350
139 Tyr Asp Ile Ala Ala Ile Lys Phe Arg Gly Leu Thr Ala Val Thr Asn
140         355                 360                 365
142 Phe Asp Met Asn Arg Tyr Asn Val Lys Ala Ile Leu Glu Ser Pro Ser
143     370                 375                 380
145 Leu Pro Ile Gly Ser Ala Ala Lys Arg Leu Lys Glu Ala Asn Arg Pro
146 385                 390                 395                 400
148 Val Pro Ser Met Met Met Ile Ser Asn Asn Val Ser Glu Ser Glu Asn
149                 405                 410                 415
151 Ser Ala Ser Gly Trp Gln Asn Ala Ala Val Gln His His Gln Gly Val
152             420                 425                 430
154 Asp Leu Ser Leu Leu His Gln His Gln Glu Arg Tyr Asn Gly Tyr Tyr
155         435                 440                 445
157 Tyr Asn Gly Gly Asn Leu Ser Ser Glu Ser Ala Arg Ala Cys Phe Lys
158     450                 455                 460
160 Gln Glu Asp Asp Gln His His Phe Leu Ser Asn Thr Gln Ser Leu Met
161 465                 470                 475                 480
163 Thr Asn Ile Asp His Gln Ser Ser Val Ser Asp Asp Ser Val Thr Val
164                 485                 490                 495
166 Cys Gly Asn Val Val Gly Tyr Gly Gly Tyr Gln Gly Phe Ala Ala Pro
167             500                 505                 510
169 Val Asn Cys Asp Ala Tyr Ala Ala Ser Glu Phe Asp Tyr Asn Ala Arg
170         515                 520                 525
172 Asn His Tyr Tyr Phe Ala Gln Gln Gln Gln Thr Gln Gln Ser Pro Gly
173     530                 535                 540
175 Gly Asp Phe Pro Ala Ala Met Thr Asn Asn Val Gly Ser Asn Met Tyr
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188 <213> ORGANISM: Brassica napus
190 <400> SEQUENCE: 3
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193 cttccaccac cacaaccgcc gtagatgtcg ccggagagta ctgttacgat ccgaccgctg 180
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RAW SEQUENCE LISTING DATE: 06/02/2002
PATENT APPLICATION: US/09/980,364 TIME: 17:15:44

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05312002\I980364.raw

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197 ccaccacgat ttacaacacc aacgaaaacg ttggagatat cgatggaagt gggtgttatg 420
198 gaggaggaga cggtggtggt ggctcactag gactttcgat gataaagaca tggctgagaa 480
199 atcaacccgt ggataatgtt gataatcaag aaaatggcaa tggtgcaaaa ggcctgtccc 540
200 tctcaatgaa ctcatctact tcttgtgata acaacaacta cagcagtaac aaccttgttg 600
201 cccaagggaa gactattgat gatagcgttg aagctacacc gaagaaaact attgagagtt 660
202 ttggacagag gacgtctata taccgcggtg ttacaaggca tcggtggaca ggaagatatg 720
203 aggcacattt atgggataat agttgtaaac gagaaggcca aacgcgcaaa ggaagacaag 780
204 tttatttggg aggttatgac aaagaagaaa aagcagctag ggcttatgat ttagccgcac 840
205 tcaagtattg gggaaccacc actactacta acttccccat gagcgaatat gagaaagaga 900
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208 gatggcaagc taggatagga agagtcgccg gtaacaaaga cctctacttg ggaacttttg 1080
209 gcacacaaga agaagctgca gaggcatacg acattgcggc catcaaattc agaggattaa 1140
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211 gtcttcctat tggtagcgcc gcaaaacgtc tcaaggaggc taaccgtccg gttccaagta 1260
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218 actataacgc aagaaaccat tattactttg ctcagcagca gcagacccag cattcgccag 1680
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228 <211> LENGTH: 579
229 <212> TYPE: PRT
230 <213> ORGANISM: Brassica napus
232 <400> SEQUENCE: 4
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237              20                  25                  30
239 Val Ala Gly Glu Tyr Cys Tyr Asp Pro Thr Ala Ala Ser Asp Glu Ser
240          35                  40                  45
242 Ser Ala Ile Gln Thr Ser Phe Pro Ser Pro Phe Gly Val Val Val Asp
243      50                  55                  60
245 Ala Phe Thr Arg Asp Asn Asn Ser His Ser Arg Asp Trp Asp Ile Asn
246  65                  70                  75                  80
248 Gly Cys Ala Cys Asn Asn Ile His Asn Asp Glu Gln Asp Gly Pro Lys
249                  85                  90                  95
251 Leu Glu Asn Phe Leu Gly Arg Thr Thr Thr Ile Tyr Asn Thr Asn Glu
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RAW SEQUENCE LISTING DATE: 06/02/2002
PATENT APPLICATION: US/09/980,364 TIME: 17:15:44

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05312002\I980364.raw

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261 145                 150                 155                 160
263 Gly Leu Ser Leu Ser Met Asn Ser Ser Thr Ser Cys Asp Asn Asn Asn
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266 Asp Ser Asn Asn Asn Val Val Ala Gln Gly Lys Thr Ile Asp Asp Ser
267             180                 185                 190
269 Val Glu Ala Thr Pro Lys Lys Thr Ile Glu Ser Phe Gly Gln Arg Thr
270         195                 200                 205
272 Ser Ile Tyr Arg Gly Val Thr Arg His Arg Trp Thr Gly Arg Tyr Glu
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275 Ala His Leu Trp Asp Asn Ser Cys Lys Arg Glu Gly Gln Thr Arg Lys
276 225                 230                 235                 240
278 Gly Arg Gln Val Tyr Leu Gly Gly Tyr Asp Lys Glu Glu Lys Ala Ala
279                 245                 250                 255
281 Arg Ala Tyr Asp Leu Ala Ala Leu Lys Tyr Trp Gly Thr Thr Thr Thr
282             260                 265                 270
284 Thr Asn Phe Pro Met Ser Glu Tyr Glu Lys Glu Val Glu Glu Met Lys
285         275                 280                 285
287 His Met Thr Arg Gln Glu Tyr Val Ala Ser Leu Arg Arg Lys Ser Ser
288     290                 295                 300
290 Gly Phe Ser Arg Gly Ala Ser Ile Tyr Arg Gly Val Thr Arg His His
291 305                 310                 315                 320
293 Gln His Gly Arg Trp Gln Ala Arg Ile Gly Arg Val Ala Gly Asn Lys
294                 325                 330                 335
296 Asp Leu Tyr Leu Gly Thr Phe Gly Thr Gln Glu Glu Ala Ala Glu Ala
297             340                 345                 350
299 Tyr Asp Ile Ala Ala Ile Lys Phe Arg Gly Leu Thr Ala Val Thr Asn
300         355                 360                 365
302 Phe Asp Met Asn Arg Tyr Asn Val Lys Ala Ile Leu Glu Ser Pro Ser
303     370                 375                 380
305 Leu Pro Ile Gly Ser Ala Ala Lys Arg Leu Lys Glu Ala Asn Arg Pro
306 385                 390                 395                 400
308 Val Pro Ser Met Met Met Ile Ser Asn Asn Val Ser Glu Ser Glu Asn
309                 405                 410                 415
311 Ser Ala Ser Gly Trp Gln Asn Ala Ala Val Gln His His Gln Gly Val
312             420                 425                 430
314 Asp Leu Ser Leu Leu His Gln His Gln Glu Arg Tyr Asn Gly Tyr Tyr
315         435                 440                 445
317 Tyr Asn Gly Gly Asn Leu Ser Ser Glu Ser Ala Arg Ala Cys Phe Lys
318     450                 455                 460
320 Gln Glu Asp Asp Gln His His Phe Leu Ser Asn Thr Gln Ser Leu Met
321 465                 470                 475                 480
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324                 485                 490                 495
326 Cys Gly Asn Val Val Gly Tyr Gly Gly Tyr Gln Gly Phe Ala Ala Pro
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VERIFICATION SUMMARY DATE: 06/02/2002
PATENT APPLICATION: US/09/980,364 TIME: 17:15:45

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05312002\I980364.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date